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PROTECTION OF OCEANS, ALL KINDS OF SEAS INCLUDING ENCLOSED AND SEMI-ENCLOSED SEAS, COASTAL AREAS AND THE PROTECTION, RATIONAL USE AND DEVELOPMENT OF THEIR LIVING RESOURCES

(Section II, chapter 9 of Agenda 21)

Text submitted by the Chairman on the basis of negotiations held on document A/CONF.151/PC/100/Add.21

Corrigendum

1. Paragraph 110

(a) First sentence

For marine ecosystems are very vulnerable read The marine environment is vulnerable

(b) Second sentence

For conservation of marine ecosystems read conservation of the marine environment

(c) Last sentence

For disseminate ocean information read disseminate information

2. Paragraph 113 should read

113. States, in accordance with the relevant rights and obligations of Part XIII of the United Nations Convention on the Law of the Sea commit themselves to improve the understanding of the marine environment and its role on global processes. To this end, it is necessary to:

(a) Promote scientific research on and systematic observation and monitoring of the marine environment within the limits of national jurisdiction and high seas, including interactions with atmospheric phenomena such as ozone depletion;

(b) Promote exchange of data and information resulting from scientific research and systematic observation and from traditional ecological knowledge and ensure its availability to policy makers and the public at the national level;

(c) Cooperate with a view to the development of standard inter-calibrated procedures, measuring techniques, data storage and management capabilities for scientific research on and systematic observation of the marine environment.

3. Paragraph 114 should be deleted.

4. Paragraph 115 should read

115. States should consider, inter alia:

(a) Coordinating national and regional observation programmes for coastal and near-shore phenomena related to climate change and for resource parameters essential for marine and coastal management in all regions;

(b) Providing improved forecasts of marine conditions for the safety of inhabitants of coastal areas and for the efficiency of maritime operations;

(c) Cooperating with the view to adopt special measures to cope with potential climate change and sealevel rise, including the development of globally accepted methodologies for coastal vulnerability assessment, modelling and response strategies particularly for priority areas, such as small islands, low-lying and critical coastal areas;

(d) Identifying ongoing and planned programmes of systematic observation of the marine environment, with a view to integrating activities and establishing priorities to address critical uncertainties for ocean and all seas;

(e) Initiating a programme of research to determine the marine biological effects of increased levels of ultraviolet rays due to the depletion of the stratospheric ozone layer and to evaluate the possible effects.

5. The heading Data and information should be placed after paragraph 116.

6. Paragraph 117, subparagraphs (b) to (f) should read

(b) Supporting the role of the IOC in cooperation with WMO, UNEP and other international organizations in the collection, analysis and distribution of data and information from the oceans and all seas;

(c) Creating multisectoral information bases, covering the results of research and systematic observation programmes;

(d) Linking these databases to existing data and information services and mechanisms as the World Weather Watch and Earthwatch;

(e) Cooperating with the view to the exchange of data and information and its storage and archiving through the world and regional data centres;

(f) Cooperating to ensure full participation of, in particular, developing countries, in any international scheme under the organs and organizations of the United Nations system for the collection, analysis and use of data and information.

7. Paragraph 118 should read

118. States should consider bilaterally and multilaterally and in cooperation with subregional, regional, interregional and global organizations, where appropriate:

(a) Providing technical cooperation in developing the capacity of coastal and island States for marine research and systematic observation, and for using its results;

(b) Strengthening existing national institutions and creating where necessary international analysis and prediction mechanisms in order to prepare and exchange global and regional oceanographic analyses and forecasts and to provide facilities for international research and training at national, regional and subregional levels, where applicable.

8. Paragraph 120

For international, regional and subregional coordination read subregional, regional and global coordination

9. Paragraph 121 should read

121. International cooperation through relevant organizations within the United Nations system should support countries to develop and integrate regional systematic long-term observation programmes, when applicable, into the Regional Seas Programmes in a coordinated fashion to implement, where appropriate, subregional, regional and global observing systems based on the principle of exchange of data. One aim should be the predicting of the effects of climate-related emergencies on existing coastal physical and socio-economic infrastructure.

10. After paragraph 121 insert

[121 bis. Based on the results of research in the fields of human health, agriculture and marine environment, States and international organizations, and in particular, the parties to the Vienna Convention and the Montreal Protocol, should consider appropriate remedial measures to address effects caused by additional ultraviolet radiation resulting from ozone layer depletion in these areas. 1/]

1/ The group recommended to move this paragraph to the chapter on Protection of the Atmosphere.

[121 bis. Based on the results of research to address effects caused by additional ultraviolet radiation resulting from ozone layer depletion in the fields of human health, agriculture and marine environment, States and international organizations, and in particular, the parties to the Vienna Convention and the Montreal Protocol, should consider appropriate remedial measures and some form of reparation, in accordance with mechanisms outlined in those instruments.]

11. Paragraph 122

Replace the existing text with the following:

[122. The estimate of costs to ensure participation in the implementation of the recommendations in this section needs to be reconsidered in the light of conclusions on financial matters.]

12. Paragraph 123 should read

123. To address critical uncertainties through systematic coastal and marine observations and research, coastal States should cooperate in the development of procedures which allow for comparable analysis of data. They should also cooperate on a subregional and regional basis, through existing programmes where applicable, share infrastructure and expensive and sophisticated equipment, and develop human resources jointly. Special attention should be given to transfer of scientific and

technological knowledge and means to support States in the development of endogenous capabilities.

13. Paragraph 125 should be deleted.

14. Paragraphs 126 to 128 should read

126. States individually or through bilateral and multilateral cooperation should develop comprehensive programmes, particularly in developing countries with the support as appropriate of subregional, regional and global organizations, should develop a broad and coherent approach to meeting their core human resource needs in the marine sciences.

Capacity-building:

127. States should strengthen or establish as necessary, national scientific and technological oceanographic commissions or equivalent bodies, to develop support and coordinate marine science activities and work closely with international organizations.

128. States should use existing regional and subregional mechanisms, where applicable, to develop knowledge of the marine environment, exchange information, organize systematic observations and assessments, and make most effective use of scientists, facilities and equipment. They should also cooperate in the promotion of endogenous research capabilities in developing countries.

15. Paragraph 144

(a) First line For Small island developing countries read Small island developing States

(b) Fifth line For small islands read small island developing States

16. Paragraph 146, first line

For Small island developing countries read Small island developing States

17. Paragraph 148 should be deleted.

18. Replace paragraphs 149 and 150 with the following:

149. States commit themselves to addressing the problems of sustainable development of small island developing States. To this end it is necessary:

(a) To adopt and implement plans and programmes to support the sustainable development and utilization of their marine and ocean resources, including meeting essential human needs, maintaining biodiversity and improving the quality of life for island people;

(b) To adopt measures which will enable island countries to cope effectively, creatively and sustainably with environmental change to reduce the threats posed to marine and coastal resources.

19. Paragraph 151

For Small island States and territories read Small island developing States

20. Paragraph 151 (g)

For Based on the precautionary principle read Based on precautionary and anticipatory approaches

21. Replace paragraphs 153 and 154 with the following:

153. Small island developing States, with the support, as appropriate, of regional, subregional and global organizations, should develop and strengthen inter-island, regional and interregional cooperation and information exchange, including periodic regional and global meetings on sustainable development of small island developing States with the first Global Conference on the sustainable development of small island developing States to be held in 1993.

154. Global, regional and subregional organizations must recognize the special development requirements of small island developing countries and give adequate priority in the provision of assistance, particularly with respect to the development and implementation of sustainable development plans.

22. Paragraphs 157 and 158

For small island States read small island developing States